

Code	Practice	Component	Units	Unit Cost
311	Alley Cropping	Alley Cropping-single row	Ea	\$2.63
311	Alley Cropping	3-row alley cropping	ac	\$56.71
314	Brush Management	Chemical Moderate	ac	\$44.86
314	Brush Management	Manual, Hand tools & Follow-up	ac	\$10.99
314	Brush Management	Manual, Hand tools	ac	\$8.08
314	Brush Management	Chemical, Difficult & Follow-up	ac	\$137.20
314	Brush Management	Chemical Moderate & Follow-up	ac	\$84.04
314	Brush Management	Mechanical Chemical	ac	\$101.86
314	Brush Management	Heavy Mechanical	ac	\$84.94
314	Brush Management	Medium Mechanical	ac	\$66.57
314	Brush Management	Light Mechanical	ac	\$39.84
314	Brush Management	Brush Hog	ac	\$14.80
314	Brush Management	Chemical Difficult Control	ac	\$92.34
315	Herbaceous Weed Control	High Density with Follow Up	ac	\$88.07
315	Herbaceous Weed Control	Low Density	ac	\$7.56
315	Herbaceous Weed Control	Low Density with Follow Up	ac	\$13.52
315	Herbaceous Weed Control	Moderate Density	ac	\$32.01
315	Herbaceous Weed Control	Moderate Density with Follow Up	ac	\$51.66
315	Herbaceous Weed Control	Intensive	ac	\$85.77
319	On-Farm Secondary Containment Facility	Earthen Containment	CuYd	\$19.09
319	On-Farm Secondary Containment Facility	Corrugated Metal Wall Containment	sq ft	\$3.03
319	On-Farm Secondary Containment Facility	Concrete Containment with Roof over 150 SF	sq ft	\$4.16
319	On-Farm Secondary Containment Facility	Modular Block Containment Wall	sq ft	\$3.17
319	On-Farm Secondary Containment Facility	Double Wall Tank	gal	\$0.13
319	On-Farm Secondary Containment Facility	Concrete Containment with Roof up to 150 SF	sq ft	\$5.48
324	Deep Tillage	Deep Tillage less than 20 inches	ac	\$2.41
324	Deep Tillage	Deep Tillage more than 20 inches	ac	\$6.62
327	Conservation Cover	Pollinator Species with Forgone Income	ac	\$190.99
327	Conservation Cover	Native Species with Forgone Income	ac	\$57.32

Code	Practice	Component	Units	Unit Cost
327	Conservation Cover	Monarch Species Mix	ac	\$148.50
327	Conservation Cover	Native Species	ac	\$19.07
327	Conservation Cover	Introduced Species	ac	\$17.00
327	Conservation Cover	Introduced with Forgone Income	ac	\$51.65
327	Conservation Cover	Pollinator Species	ac	\$105.14
328	Conservation Crop Rotation	Basic Rotation Organic and Non-Organic	ac	\$1.51
328	Conservation Crop Rotation	Specialty Crops Organic and Non-Organic	ac	\$4.02
329	Residue and Tillage Management, No Till	No-Till/Strip-Till	ac	\$2.09
329	Residue and Tillage Management, No Till	No Till Adaptive Management	Ea	\$331.56
333	Amending Soils with Gypsum Products	Gypsum greater than 1 ton rate	ac	\$6.49
333	Amending Soils with Gypsum Products	Gypsum less than 1 ton per acre	ac	\$3.86
338	Prescribed Burning	Volatile Fuel Burn	ac	\$111.13
338	Prescribed Burning	Steep Terrain, Volatile fuels >4 ft tall, <10% Canopy Cover	ac	\$53.92
338	Prescribed Burning	Understory Burn	ac	\$75.76
340	Cover Crop	Cover Crop - Adaptive Management	Ea	\$268.70
340	Cover Crop	Cover Crop - Multiple Species (Organic and Non-organic)	ac	\$9.96
340	Cover Crop	Cover Crop - Basic (Organic and Non-organic)	ac	\$8.53
342	Critical Area Planting	Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	ac	\$75.84
342	Critical Area Planting	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	ac	\$34.22
342	Critical Area Planting	Hydroseed	ac	\$270.32
342	Critical Area Planting	Hydroseed, extra site preparation	ac	\$337.65
342	Critical Area Planting	Native or Introduced Vegetation - Heavy Grading (Organic and Non-Organic)	ac	\$118.26
345	Residue and Tillage management, Reduced till	Mulch till-Adaptive Management	Ea	\$399.54
345	Residue and Tillage management, Reduced till	Residue and Tillage Management, Reduced Till	ac	\$2.21
374	Farmstead Energy Improvement	Steam Enhanced PreHeater <= 24 SF	sq ft	\$43.64
374	Farmstead Energy Improvement	Automatic Controller System	Ea	\$158.62
374	Farmstead Energy Improvement	Greenhouse Step Controller System	Ea	\$102.04
374	Farmstead Energy Improvement	Motor Upgrade <= 1 HP	Ea	\$64.46
374	Farmstead Energy Improvement	Motor Upgrade > 1 and < 10 HP	Ea	\$95.99
374	Farmstead Energy Improvement	Compressor Heat Recovery	Ea	\$381.56
374	Farmstead Energy Improvement	Heating (Building)	kBTU/Hr	\$3.10

Code	Practice	Component	Units	Unit Cost
374	Farmstead Energy Improvement	Greenhouse Roof Vent	ft	\$2.48
374	Farmstead Energy Improvement	Root Zone Heating - Greenhouse In-Ground Distribution	ft	\$0.40
374	Farmstead Energy Improvement	Reverse Osmosis <= 250 GPH	Gal/Hr	\$3.31
374	Farmstead Energy Improvement	Variable Speed Drive > 10 HP	HP	\$22.37
374	Farmstead Energy Improvement	Reverse Osmosis >= 1000 GPH	Gal/Hr	\$1.99
374	Farmstead Energy Improvement	Steam Enhanced PreHeater > 24 SF	sq ft	\$29.87
374	Farmstead Energy Improvement	Evaporator Wood-Fired, Air Injected	sq ft	\$41.93
374	Farmstead Energy Improvement	Evaporator Wood-Fired, Gasifier	sq ft	\$78.75
374	Farmstead Energy Improvement	Evaporator Oil-Fired, Parametric Control	sq ft	\$88.90
374	Farmstead Energy Improvement	Motor Upgrade 10 - 100 HP	Ea	\$418.54
374	Farmstead Energy Improvement	Reverse Osmosis >250 - <1000 GPH	Gal/Hr	\$2.45
374	Farmstead Energy Improvement	Ventilation - 24 inch Exhaust	Ea	\$79.40
374	Farmstead Energy Improvement	Ventilation - 18 inch Exhaust	Ea	\$62.06
374	Farmstead Energy Improvement	Ventilation - 36 inch Exhaust	Ea	\$126.49
374	Farmstead Energy Improvement	Ventilation - 48 inch Exhaust	Ea	\$149.30
374	Farmstead Energy Improvement	High Efficiency Hot Water Heater	Ea	\$310.73
374	Farmstead Energy Improvement	Ventilation - HAF	Ea	\$42.16
374	Farmstead Energy Improvement	Plate Cooler	Ea	\$531.32
374	Farmstead Energy Improvement	Scroll Compressor	HP	\$176.29
374	Farmstead Energy Improvement	Evaporator defrost heater control	Ea	\$83.44
374	Farmstead Energy Improvement	Variable Speed Drive < = 10 HP	HP	\$55.73
378	Pond	Excavated Pit	CuYd	\$0.92
378	Pond	Embankment Pond with Pipe	CuYd	\$0.85
378	Pond	Embankment Pond without Pipe	CuYd	\$0.72
380	Windbreak/Shelterbelt Establishment	2-row windbreak, shrubs, machine planted	ft	\$0.05
380	Windbreak/Shelterbelt Establishment	3 or more row windbreak, trees, machine planted	ft	\$0.20
380	Windbreak/Shelterbelt Establishment	1 row windbreak, trees, hand planted	ft	\$0.03
380	Windbreak/Shelterbelt Establishment	1 row windbreak, shrubs, hand planted	ft	\$0.06
380	Windbreak/Shelterbelt Establishment	2-row windbreak, trees, machine planted	ft	\$0.08
380	Windbreak/Shelterbelt Establishment	3 or more tree rows machine planted windbreak	ft	\$0.09
380	Windbreak/Shelterbelt Establishment	3 or more row windbreak, shrub, machine planted	ft	\$0.13

Code	Practice	Component	Units	Unit Cost
381	Silvopasture Establishment	Tree Establishment	ac	\$11.93
381	Silvopasture Establishment	Tree, Grass, Legume Establishment	ac	\$40.62
381	Silvopasture Establishment	Grass Establishment	ac	\$29.38
381	Silvopasture Establishment	Tree and native grass establishment	ac	\$44.78
381	Silvopasture Establishment	Native Grass Establishment	ac	\$29.38
382	Fence	Woven Wire	ft	\$0.42
382	Fence	5-6 Wire, Electrified, High Tensile	ft	\$0.29
382	Fence	Confinement	ft	\$0.89
382	Fence	Barbed Wire	ft	\$0.30
382	Fence	Interior, electrified	ft	\$0.12
382	Fence	Portable	ft	\$0.07
382	Fence	Chain Link/Safety	ft	\$1.55
382	Fence	2-4 Wire Electrified, High Tensile	ft	\$0.26
382	Fence	96 inch exclusion fence	ft	\$0.95
384	Woody Residue Treatment	Orchard/Vineyard prunings/removals	ac	\$24.58
384	Woody Residue Treatment	Forest Slash Treatment - Med/Heavy	ac	\$46.27
384	Woody Residue Treatment	Chipping and hauling off-site	ac	\$30.21
384	Woody Residue Treatment	Woody residue/silvicultural slash treatment-light	ac	\$19.94
384	Woody Residue Treatment	Restoration/conservation treatment following catastrophic events	ac	\$89.45
386	Field Border	Field Border, Introduced Species, Forgone Income	ac	\$47.44
386	Field Border	Field Border, Native Species	ac	\$12.53
386	Field Border	Field Border, Introduced Species	ac	\$9.19
386	Field Border	Field Border, Pollinator	ac	\$100.88
386	Field Border	Field Border, Native Species, Forgone Income	ac	\$50.78
386	Field Border	Field Border, Pollinator, Forgone Income	ac	\$139.13
390	Riparian Herbaceous Cover	Warm Season Grass w/ Forbs	ac	\$112.15
390	Riparian Herbaceous Cover	Plugging and Seeding	ac	\$2,374.27
390	Riparian Herbaceous Cover	Aquatic Wildlife	ac	\$257.03
390	Riparian Herbaceous Cover	Cool Season Grasses w/ Forbs	ac	\$112.15
391	Riparian Forest Buffer	Bare Root, All Shelters	ac	\$246.49
391	Riparian Forest Buffer	Bare Root, No Shelters	ac	\$187.16

Code	Practice	Component	Units	Unit Cost
391	Riparian Forest Buffer	Small Container - Foregone Income	ac	\$603.08
391	Riparian Forest Buffer	High Risk Areas	ac	\$734.17
391	Riparian Forest Buffer	Bare Root, Half Shelters	ac	\$216.82
393	Filter Strip	Filter Strip, Introduced species, Forgone Income	ac	\$56.47
393	Filter Strip	Filter Strip, Native species, Forgone Income	ac	\$57.46
393	Filter Strip	Filter Strip, Introduced species	ac	\$18.22
393	Filter Strip	Filter Strip, Native species	ac	\$16.92
394	Firebreak	Constructed - Light Equipment	sq ft	\$0.00
394	Firebreak	Constructed Wide, bladed or disked firebreak	sq ft	\$0.00
394	Firebreak	Vegetated permanent firebreak	sq ft	\$0.00
394	Firebreak	Constructed - Medium equipment, flat-medium slopes	sq ft	\$0.00
394	Firebreak	Constructed - Medium equipment, steep slopes	sq ft	\$0.01
395	Stream Habitat Improvement and Management	Riparian Zone Improvement-Forested	ac	\$1,058.68
395	Stream Habitat Improvement and Management	Rock and wood structures	ac	\$3,754.09
395	Stream Habitat Improvement and Management	Instream rock placement	ac	\$1,649.10
395	Stream Habitat Improvement and Management	Instream wood placement	ac	\$2,329.18
395	Stream Habitat Improvement and Management	Constructed Log Jam	CuYd	\$8.81
395	Stream Habitat Improvement and Management	Stream Restoration - High	ac	\$31,231.09
395	Stream Habitat Improvement and Management	Conifer Tree Revetment	CuYd	\$6.84
395	Stream Habitat Improvement and Management	Stream Restoration - Moderate	ac	\$19,667.64
395	Stream Habitat Improvement and Management	Stream Restoration - Low	ac	\$13,200.22
395	Stream Habitat Improvement and Management	Complex Stream Structure	CuYd	\$56.56
395	Stream Habitat Improvement and Management	Boulder Placement	CuYd	\$11.57
396	Aquatic Organism Passage	Rotating Drum Screen	cfs	\$125.07
396	Aquatic Organism Passage	Stream Simulation Culvert -with Headwall	sq ft	\$7.42
396	Aquatic Organism Passage	Paddlewheel Screen	cfs	\$893.21
396	Aquatic Organism Passage	Step Pool Weir	CuYd	\$12.12
396	Aquatic Organism Passage	Low Water Crossing	CuYd	\$28.46
396	Aquatic Organism Passage	Alaskan Steeppass	ft	\$1,296.21
396	Aquatic Organism Passage	Complex Denil	ft	\$5,775.39
396	Aquatic Organism Passage	Concrete Ladder	ft	\$1,723.58

Code	Practice	Component	Units	Unit Cost
396	Aquatic Organism Passage	Bridge, Prefabricated	sq ft	\$15.81
396	Aquatic Organism Passage	Bridge, CIP Abutment	sq ft	\$15.63
396	Aquatic Organism Passage	Stream Simulation Culvert - no Headwall	sq ft	\$7.59
396	Aquatic Organism Passage	Concrete Box Culvert	sq ft	\$14.09
396	Aquatic Organism Passage	Nature-Like Fishway	sq ft	\$0.30
396	Aquatic Organism Passage	Blockage Removal	CuYd	\$3.05
396	Aquatic Organism Passage	Earthen Dam Removal	CuYd	\$16.87
396	Aquatic Organism Passage	Concrete Dam Removal	CuYd	\$53.15
396	Aquatic Organism Passage	Bridge, Precast Abutment	ft	\$197.22
399	Fishpond Management	Aerator, subsurface	ac	\$360.53
399	Fishpond Management	Littoral Shelf	ac	\$380.46
399	Fishpond Management	Depth Management, Littoral Shelf	ac	\$2,603.52
399	Fishpond Management	Planting Native Vegetation	ac	\$336.39
399	Fishpond Management	Aerator, surface	ac	\$153.09
399	Fishpond Management	Habitat Structures	ac	\$623.29
399	Fishpond Management	Invasive Weed Species - Chemical	ac	\$47.91
399	Fishpond Management	Depth Management	ac	\$2,444.88
410	Grade Stabilization Structure	Check Dams	ton	\$6.64
410	Grade Stabilization Structure	Rock Drop Structures	sq ft	\$10.34
410	Grade Stabilization Structure	Rock Chute	CuYd	\$10.27
410	Grade Stabilization Structure	Catch Basin and Pipe >24 inch	Ea	\$1,272.02
410	Grade Stabilization Structure	Catch Basin and Pipe =< 24 inch	Ea	\$727.93
410	Grade Stabilization Structure	Concrete Weir	sq ft	\$28.10
410	Grade Stabilization Structure	Sheetpile Weir	sq ft	\$29.68
410	Grade Stabilization Structure	Log Drop Structures	Ea	\$661.16
410	Grade Stabilization Structure	Weir Drop Structures	sq ft	\$11.39
410	Grade Stabilization Structure	Pipe Drop, Steel	sq ft	\$3.44
410	Grade Stabilization Structure	Pipe Drop, Plastic	sq ft	\$3.40
410	Grade Stabilization Structure	Embankment, Soil Treatment	CuYd	\$1.09
410	Grade Stabilization Structure	Embankment, Pipe >12 inch	CuYd	\$0.93
410	Grade Stabilization Structure	Embankment, Pipe <= 6 inch	CuYd	\$0.63

Code	Practice	Component	Units	Unit Cost
410	Grade Stabilization Structure	Embankment, Pipe 8-12 inch	CuYd	\$0.75
412	Grassed Waterway	Base Waterway, Seeding	sq ft	\$0.03
422	Hedgerow	Hedgerow Existing Understory	ft	\$0.16
422	Hedgerow	Wildlife Cool Season	ft	\$0.39
422	Hedgerow	Urban Suburban Hedgerow	Ea	\$47.74
422	Hedgerow	Contour	ft	\$0.37
422	Hedgerow	Pollinator Habitat	ft	\$0.34
422	Hedgerow	Wildlife, Warm Season Grass	ft	\$0.37
430	Irrigation Pipeline	PVC (Iron Pipe Size) 10in or more diameter with 4 in sand bedding	Lb	\$0.25
430	Irrigation Pipeline	Horizontal Boring	ft	\$17.26
430	Irrigation Pipeline	Surface HDPE (Iron Pipe Size & Tubing)	Lb	\$0.36
430	Irrigation Pipeline	HDPE (Iron Pipe Size & Tubing) greater than 3in to 8in diameter	Lb	\$0.38
430	Irrigation Pipeline	PVC (Iron Pipe Size) 10in or more diameter	Lb	\$0.25
430	Irrigation Pipeline	PVC (Iron Pipe Size) 8in or less diameter with 4 in sand bedding	Lb	\$0.37
430	Irrigation Pipeline	PVC (Iron Pipe Size) 8in or less diam	Lb	\$0.35
430	Irrigation Pipeline	HDPE (Iron Pipe Size & Tubing) 10in or more diameter	Lb	\$0.29
441	Irrigation System, Microirrigation	Surface Permanent PE Tube with Disk or Screen filter laterals 14 ft oc	ac	\$185.53
441	Irrigation System, Microirrigation	Multiple Outlet Drip	sq ft	\$0.05
441	Irrigation System, Microirrigation	Surface Tape > or = 5 acres	ac	\$198.92
441	Irrigation System, Microirrigation	Hoop House Surface Microirrigation	sq ft	\$0.02
441	Irrigation System, Microirrigation	Microjet with Filter	ac	\$283.05
441	Irrigation System, Microirrigation	Automated Surface Permanent PE Tube with Media Filter Laterals 14 ft oc	ac	\$233.77
441	Irrigation System, Microirrigation	Surface Permanent PE Tube Disk or Screen Filter Laterals 9 ft oc	ac	\$252.25
441	Irrigation System, Microirrigation	Surface Permanent PE tube with Media Filter Laterals 9 ft oc	ac	\$286.91
441	Irrigation System, Microirrigation	Automated Surface Permanent PE Tube with Media Filter Laterals 9 ft oc	ac	\$304.28
441	Irrigation System, Microirrigation	SDI (Subsurface Drip Irrigation)	ac	\$171.60
441	Irrigation System, Microirrigation	Surface Permanent PE Tube with Media Filter Laterals 14 ft oc	ac	\$220.19
441	Irrigation System, Microirrigation	Surface Tape <5 acres	ac	\$305.97
449	Irrigation Water Management	Intermediate IWM > 30 acres	ac	\$1.84
449	Irrigation Water Management	IWM w weather station	Ea	\$528.09
449	Irrigation Water Management	Cranberry Auto Start	Ea	\$740.71

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449	Irrigation Water Management	Soil Moisture Sensors with Data Recorder_1stYear	Ea	\$215.41
449	Irrigation Water Management	Soil Moisture Sensors_1st Year	Ea	\$152.01
449	Irrigation Water Management	Advanced IWM <= 30 acres	ac	\$6.71
449	Irrigation Water Management	Intermediate IWM <= 30 acres	ac	\$5.36
449	Irrigation Water Management	Basic IWM > 30 acres	ac	\$1.44
449	Irrigation Water Management	Basic IWM <= 30 acres	ac	\$4.02
449	Irrigation Water Management	Advanced IWM > 30 acres	ac	\$2.24
466	Land Smoothing	Minor Shaping	ac	\$11.20
466	Land Smoothing	Cranberry Bog Leveling	ac	\$58.96
472	Access Control	Forest/Farm Access Control	ft	\$0.02
472	Access Control	BioSecurity Access Control	ft	\$2.34
472	Access Control	Navigational Delineation	Ea	\$77.82
472	Access Control	Trails/Roads Access Control	Ea	\$59.84
472	Access Control	Hibernaculum Bat Gate	sq ft	\$7.92
472	Access Control	Animal exclusion from sensitive areas	ft	\$0.20
484	Mulching	Straw or Hay, Manual Application	ac	\$57.79
484	Mulching	Straw or Hay, Mechanical Application	ac	\$24.78
484	Mulching	Aggregate	kSqFt	\$20.98
484	Mulching	Erosion Control Blanket	kSqFt	\$19.42
484	Mulching	Synthetic Material	ac	\$34.91
484	Mulching	Tree and Shrub	Ea	\$0.13
490	Tree/Shrub Site Preparation	Chemical - Ground Application	ac	\$21.13
490	Tree/Shrub Site Preparation	Windbreak - Site Preparation	ac	\$25.51
490	Tree/Shrub Site Preparation	Hand site preparation	ac	\$25.29
490	Tree/Shrub Site Preparation	Chemical - Aerial Application	ac	\$6.78
490	Tree/Shrub Site Preparation	Mechanical - Light	ac	\$7.93
490	Tree/Shrub Site Preparation	Mechanical - Heavy	ac	\$28.52
490	Tree/Shrub Site Preparation	Chemical - Hand Application	ac	\$12.49
511	Forage Harvest Management	Improved Forage Quality	ac	\$0.42
511	Forage Harvest Management	Organic Preemptive Harvest	ac	\$1.55
511	Forage Harvest Management	Perennial Crops - Delayed Mowing	ac	\$2.12

Code	Practice	Component	Units	Unit Cost
512	Forage and Biomass Planting	Rejuvenate	ac	\$32.39
512	Forage and Biomass Planting	Cool Season, Establish or Reseed, Organic, Foregone Income	ac	\$86.35
512	Forage and Biomass Planting	Overseed, Organic	ac	\$14.93
512	Forage and Biomass Planting	Overseed	ac	\$8.21
512	Forage and Biomass Planting	Rejuvenate, Organic	ac	\$33.89
512	Forage and Biomass Planting	Warm Season, Native, Establish or Reseed	ac	\$56.84
512	Forage and Biomass Planting	Warm Season, Native, Establish or Reseed, Foregone Income	ac	\$88.60
512	Forage and Biomass Planting	Cool Season, Establish or Reseed, Organic	ac	\$48.85
512	Forage and Biomass Planting	Cool Season, Establish or Reseed, Foregone Income	ac	\$73.30
512	Forage and Biomass Planting	Cool Season, Establish or Reseed	ac	\$41.53
528	Prescribed Grazing	Intensive	ac	\$12.84
528	Prescribed Grazing	Deferred grazing	ac	\$3.88
528	Prescribed Grazing	Twice weekly moves	ac	\$11.16
528	Prescribed Grazing	Weekly moves	ac	\$3.69
528	Prescribed Grazing	Targeted Grazing	ac	\$3.48
533	Pumping Plant	PTO Side Mounted up to 50,000 CF	Ea	\$1,451.08
533	Pumping Plant	Livestock Nose Pump	Ea	\$132.81
533	Pumping Plant	Solid Piston Manure Pump	Ea	\$4,797.72
533	Pumping Plant	Photovoltaic-Powered Pump 1.5 HP	Ea	\$1,508.82
533	Pumping Plant	Hollow Piston Manure Pump	Ea	\$2,881.21
533	Pumping Plant	Manure PTO Vertical Shaft Pump	Ea	\$1,530.07
533	Pumping Plant	PTO Side Mounted over 50,000 CF	Ea	\$2,140.18
533	Pumping Plant	PTO Lagoon Trailer Pump	Ea	\$2,586.72
533	Pumping Plant	Recirculating Aquaculture System	Ea	\$8,050.48
533	Pumping Plant	Solids Handling Wastewater Pump over 2Hp	Ea	\$839.18
533	Pumping Plant	Photovoltaic-Powered Pump 0.5 to 1.0 HP	Ea	\$1,089.30
533	Pumping Plant	Electric Powered Pump Less Than 3 HP with Pressure Tank	BHP	\$229.35
533	Pumping Plant	Solids Handling Wastewater Pump up to 2Hp	Ea	\$360.18
533	Pumping Plant	Electric-Powered Pump over 40 HP	BHP	\$41.99
533	Pumping Plant	Electric-Powered Pump 3 up to less than 10 HP with Pressure Tank	BHP	\$95.82
533	Pumping Plant	Photovoltaic-Powered Pump 0.25 HP	Ea	\$464.27

Code	Practice	Component	Units	Unit Cost
533	Pumping Plant	Electric Powered Pump less than 3 Hp	BHP	\$181.77
533	Pumping Plant	Electric-Powered Pump 10 to 40 HP	BHP	\$61.25
533	Pumping Plant	Variable Frequency Drive Less Than 10HP	HP	\$63.09
533	Pumping Plant	Variable Frequency Drive over 10HP	HP	\$35.99
533	Pumping Plant	Internal Combustion Powered Pump less than 7.5 HP	BHP	\$87.29
533	Pumping Plant	Internal Combustion-Powered Pump 7.5 to 75 HP	BHP	\$71.06
533	Pumping Plant	Internal Combustion-Powered Pump over 75 HP	BHP	\$43.15
533	Pumping Plant	Tractor Power Take Off (PTO) Pump	BHP	\$20.13
533	Pumping Plant	Electric-Powered Pump 3 up to less than 10 HP	BHP	\$86.84
557	Row Arrangement	Establishing Row Direction, Grade, & Length.	ac	\$0.89
558	Roof Runoff Structure	Trench Drain, 4 in.	ft	\$1.69
558	Roof Runoff Structure	Trench Drain, 8 in.	ft	\$1.85
558	Roof Runoff Structure	Trench Drain, 6 in.	ft	\$1.76
558	Roof Runoff Structure	Concrete Swale	ft	\$1.98
558	Roof Runoff Structure	Roof Gutter, Small	ft	\$0.89
558	Roof Runoff Structure	Roof Gutter, Large	ft	\$1.45
561	Heavy Use Area Protection	Bunk Silo Slab	sq ft	\$0.84
561	Heavy Use Area Protection	Gravel - Pad	sq ft	\$0.42
561	Heavy Use Area Protection	Curb with Footer	ft	\$6.37
561	Heavy Use Area Protection	Curb without Footer	ft	\$3.32
561	Heavy Use Area Protection	Concrete with Curb up to 1000 SF	sq ft	\$1.25
561	Heavy Use Area Protection	Concrete/Asphalt without Curb up to 1000 SF	sq ft	\$0.82
561	Heavy Use Area Protection	Concrete with Curb over 1000 SF	sq ft	\$1.13
561	Heavy Use Area Protection	Concrete/Asphalt without Curb over 1000 SF	sq ft	\$0.69
578	Stream Crossing	Concrete Box Culvert	sq ft	\$14.09
578	Stream Crossing	Bridge, Light Weight Timber	sq ft	\$3.25
578	Stream Crossing	Stream Simulation Culvert, without Headwalls	sq ft	\$7.33
578	Stream Crossing	Stream Simulation Culvert, with Headwalls	sq ft	\$8.07
578	Stream Crossing	Bridge, prefabricated	ft	\$254.11
578	Stream Crossing	Bridge with precast abutments, span > 14 feet	sq ft	\$12.74
578	Stream Crossing	Culvert Installation, greater than or equal to 30 inch diameter	InFt	\$0.40

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578	Stream Crossing	Bridge with a span of less than or equal to 14 feet	sq ft	\$7.56
578	Stream Crossing	Low Water Crossing, Rock	sq ft	\$0.48
578	Stream Crossing	Low water crossing using prefabricated products	sq ft	\$1.86
578	Stream Crossing	Low Water Crossing, Riprap	sq ft	\$0.43
578	Stream Crossing	Bridge with cast in place abutments, span > 14 feet	sq ft	\$16.27
580	Streambank and Shoreline Protection	Bioengineered	sq ft	\$0.39
580	Streambank and Shoreline Protection	Riprap	CuYd	\$8.83
587	Structure for Water Control	Concrete Turnout Structure	Ea	\$1,094.58
587	Structure for Water Control	Flow Meter with Mechanical Index	In	\$20.48
587	Structure for Water Control	Flow Meter with Electronic Index	In	\$38.93
587	Structure for Water Control	Flow Meter with Electronic Index & Telemetry	In	\$54.06
587	Structure for Water Control	Fish Screens <= 400 gpm	Ea	\$151.55
587	Structure for Water Control	Fish Screen > 400gpm	Ea	\$275.15
587	Structure for Water Control	Catch Basin, 5 ft diameter	Vft	\$55.82
587	Structure for Water Control	Concrete Turnout Structure - Small	Ea	\$142.50
587	Structure for Water Control	Culvert <30 inches CMP	InFt	\$0.27
587	Structure for Water Control	Catch Basin, 3 ft width	Vft	\$29.96
587	Structure for Water Control	CMP Turnout	Ea	\$81.51
587	Structure for Water Control	In-Stream Structure for Water Surface Profile	ft	\$31.86
587	Structure for Water Control	Rock Checks for Water Surface Profile	ton	\$6.76
587	Structure for Water Control	Flap Gate w/ Concrete Wall	CuYd	\$130.58
587	Structure for Water Control	Slide Gate	ft	\$208.04
587	Structure for Water Control	Culvert <30 inches HDPE	InFt	\$0.25
587	Structure for Water Control	Commercial Inline Flashboard Riser	InFt	\$0.61
587	Structure for Water Control	Inline Flashboard Riser, Metal	InFt	\$0.40
587	Structure for Water Control	Inlet Flashboard Riser, Metal	InFt	\$0.38
587	Structure for Water Control	Flap Gate	ft	\$180.28
590	Nutrient Management	Basic NM with Manure and/or Compost (Non-Organic/Organic)	ac	\$1.85
590	Nutrient Management	Basic Precision NM (Non-Organic/Organic)	ac	\$5.07
590	Nutrient Management	Adaptive NM	Ea	\$268.29
590	Nutrient Management	NM with grid/zone soil sampling, soil nitrate/plant tissue test (Non-Organic/Organic)	ac	\$1.97

Code	Practice	Component	Units	Unit Cost
590	Nutrient Management	NM with Nitrification or Urease Inhibitor (Non-Organic/Organic)	ac	\$2.84
590	Nutrient Management	Basic NM (Non-Organic/Organic)	ac	\$0.86
590	Nutrient Management	Basic NM with Manure Injection	ac	\$5.27
590	Nutrient Management	Basic NM with Manure Injection or Incorporation	ac	\$3.57
590	Nutrient Management	Small Farm NM (Non-Organic/Organic)	Ea	\$29.01
595	Integrated Pest Management	Advanced IPM Fruit Veg All RCs	ac	\$18.96
595	Integrated Pest Management	Advanced IPM Sm Farm All RCs	Ea	\$113.76
595	Integrated Pest Management	IPM Sm Farm over 1RC	Ea	\$75.84
595	Integrated Pest Management	IPM Sm Farm 1RC	Ea	\$58.33
595	Integrated Pest Management	Advanced IPM Orchard All RCs	ac	\$29.54
595	Integrated Pest Management	Basic IPM Orchard 1RC	ac	\$12.40
595	Integrated Pest Management	Risk Prevention IPM All RCs	ac	\$15.68
595	Integrated Pest Management	Basic IPM Fruit Veg over 1RC	ac	\$12.40
595	Integrated Pest Management	Basic IPM Fruit Veg 1RC	ac	\$9.63
595	Integrated Pest Management	Advanced Field All RCs	ac	\$3.43
595	Integrated Pest Management	Basic IPM Field over 1RC	ac	\$2.32
595	Integrated Pest Management	Basic IPM Field 1RC	ac	\$1.71
595	Integrated Pest Management	Basic IPM Orchard over 1RC	ac	\$18.96
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Twin-Wall, greater or equal to 8 inch	ft	\$2.15
606	Subsurface Drain	6 inch Corrugated Plastic Pipe Footing Drain	ft	\$0.57
606	Subsurface Drain	6 inch Footing Drain w/ Geotextile Fabric	ft	\$0.97
606	Subsurface Drain	4 inch PVC Footing Drain w/ geotextile fabric	ft	\$0.83
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Single-Wall, greater or equal to 8 inch	ft	\$1.52
606	Subsurface Drain	Env Corrugated Plastic Pipe (CPP), Single-Wall, less than or equal to 6 inch, 10 feet deep	ft	\$1.55
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Single-Wall, less than or equal to 6 inch	ft	\$0.41
606	Subsurface Drain	Enveloped Corrugated Plastic Pipe (CPP), Single-Wall, less than or equal to 6 inch	ft	\$1.04
612	Tree/Shrub Establishment	Hardwood Hand Planting-bare root-protected	ac	\$59.66
612	Tree/Shrub Establishment	Hardwood Planting 1 gal pots	ac	\$571.61
612	Tree/Shrub Establishment	Hardwood Est.-Direct Seeding	ac	\$84.69
612	Tree/Shrub Establishment	Plant Small Areas/Quantities	ac	\$241.03

Code	Practice	Component	Units	Unit Cost
612	Tree/Shrub Establishment	Shrub Bare Root Hand Planting In Sod Grasses	Ea	\$0.69
612	Tree/Shrub Establishment	Shrub Planting	ac	\$39.40
612	Tree/Shrub Establishment	Mostly Hardwood Hand Planting-bare root-protected	ac	\$178.15
614	Watering Facility	Permanent Drinking and/or Storage 1000 to 5000 Gallons	gal	\$0.18
614	Watering Facility	Permanent Storage Tank	gal	\$0.12
614	Watering Facility	Frost Free Trough	Ea	\$91.49
614	Watering Facility	Permanent Drinking and/or Storage over 5000 Gallons	gal	\$0.08
614	Watering Facility	Permanent Drinking and/or Storage 500 to 1000 Gallons	gal	\$0.24
614	Watering Facility	Permanent Drinking and/or Storage up to 500 Gallons	gal	\$0.41
614	Watering Facility	Portable Drinking and/or Storage up to 100 Gallons	gal	\$0.13
643	Restoration and Management of Rare and Declining Habitats	Creation of Oyster Reef Coastal Pond	Ea	\$7.35
643	Restoration and Management of Rare and Declining Habitats	Reef Monitoring-Year 2	Ea	\$582.15
643	Restoration and Management of Rare and Declining Habitats	Oyster Reef Monitoring Year 1	Ea	\$281.85
643	Restoration and Management of Rare and Declining Habitats	Oyster Reef Barge Crane	ac	\$2,077.72
643	Restoration and Management of Rare and Declining Habitats	Reef Creation-Live Oysters and Cultch	Ea	\$35.25
643	Restoration and Management of Rare and Declining Habitats	Flash Grazing for Bog Turtle Habitat Restoration	ac	\$74.19
643	Restoration and Management of Rare and Declining Habitats	Vernal Pool Creation	ac	\$1,050.85
643	Restoration and Management of Rare and Declining Habitats	Development of Deep Micro-Topographic Features with Heavy Equipment.	ac	\$11.63
643	Restoration and Management of Rare and Declining Habitats	Development of Shallow Micro-Topographic Features with Normal Farming Equipment.	ac	\$4.31
643	Restoration and Management of Rare and Declining Habitats	Habitat Monitoring and Management, High Intensity and Complexity-Year 1	Ea	\$506.41
643	Restoration and Management of Rare and Declining Habitats	Reef Monitoring Reef Year 3	Ea	\$961.24
644	Wetland Wildlife Habitat Management	Creation of Turtle Nesting Habitat	ac	\$476.95
645	Upland Wildlife Habitat Management	Grassland Bird Management	ac	\$8.92
645	Upland Wildlife Habitat Management	Mast/Apple Tree Release	Ea	\$2.03
645	Upland Wildlife Habitat Management	Snags	Ea	\$1.01
647	Early Successional Habitat Development/Management	Light Mechanical	ac	\$38.66
647	Early Successional Habitat Development/Management	Heavy Mechanical High intensity cut	ac	\$197.07
647	Early Successional Habitat Development/Management	Heavy Mechanical low intensity cut (Lg Patch Cut)	ac	\$112.29
647	Early Successional Habitat Development/Management	Medium Mechanical	ac	\$69.87
647	Early Successional Habitat Development/Management	Hand Cutting with Chainsaw	ac	\$92.91

Code	Practice	Component	Units	Unit Cost
647	Early Successional Habitat Development/Management	Mowing	ac	\$11.58
647	Early Successional Habitat Development/Management	Light Brush hogging	ac	\$15.60
647	Early Successional Habitat Development/Management	Mowing with foregone income	ac	\$20.05
649	Structures for Wildlife	Nesting Box or Raptor Perch, Large, with Pole	Ea	\$25.83
649	Structures for Wildlife	Osprey/Eagle Nesting Platform	Ea	\$113.47
649	Structures for Wildlife	3-Chamber Bat House	Ea	\$18.86
649	Structures for Wildlife	Brush Pile - Large	Ea	\$14.94
649	Structures for Wildlife	Nesting Box, Large	Ea	\$8.56
649	Structures for Wildlife	Nesting Box, Small, with wood pole	no	\$6.48
649	Structures for Wildlife	Nesting Box, Small no pole	Ea	\$4.34
649	Structures for Wildlife	Bat House - Large, Single Chamber	Ea	\$14.24
650	Windbreak/Shelterbelt Renovation	Sod Release	ft	\$0.04
650	Windbreak/Shelterbelt Renovation	Supplemental Plantings-Bare Root	ac	\$49.57
650	Windbreak/Shelterbelt Renovation	Coppicing	ac	\$109.80
650	Windbreak/Shelterbelt Renovation	Supplemental Planting-Container	ac	\$59.03
650	Windbreak/Shelterbelt Renovation	Pruning	ft	\$0.05
650	Windbreak/Shelterbelt Renovation	Thinning	ft	\$0.07
650	Windbreak/Shelterbelt Renovation	Removal <8 inches DBH with Skidsteer	ft	\$0.14
650	Windbreak/Shelterbelt Renovation	Tree/Shrub Removal with Chain Saw	ft	\$0.05
654	Road/Trail/Landing Closure and Treatment	Road/Trail Abandonment/Rehabilitation (Light)	ft	\$0.37
654	Road/Trail/Landing Closure and Treatment	Road/Trail/Landing Closure and Treatment, <35% hillslope	ft	\$0.72
654	Road/Trail/Landing Closure and Treatment	Road/Trail/Landing Closure and Treatment, >35% hillslope	ft	\$1.15
654	Road/Trail/Landing Closure and Treatment	Road/Trail removal and restoration (Vegetative)	ft	\$0.33
655	Forest Trails and Landings	Re-Route Sections	ft	\$1.40
655	Forest Trails and Landings	Trail Layout	ft	\$0.02
655	Forest Trails and Landings	Temporary Stream Crossing	Ea	\$104.39
655	Forest Trails and Landings	Grading and Shaping with Vegetative Establishment	ft	\$0.40
655	Forest Trails and Landings	Trail Erosion Control w/o Vegetation, Slopes >35%	ft	\$0.91
655	Forest Trails and Landings	Trail and Landing Installation	ft	\$0.24
655	Forest Trails and Landings	Trail Erosion Control w/o Vegetation, Slopes < 35%	ft	\$0.38
660	Tree/Shrub Pruning	Pruning- High Height	ac	\$29.04

Code	Practice	Component	Units	Unit Cost
660	Tree/Shrub Pruning	Blueberries	ac	\$5.84
660	Tree/Shrub Pruning	Pruning-Multistory Cropping-Overstory	Ea	\$0.84
660	Tree/Shrub Pruning	Sanitation	ac	\$29.94
660	Tree/Shrub Pruning	Pruning-Low Height	ac	\$18.82
660	Tree/Shrub Pruning	Pruning-Fire Hazard	ac	\$23.07
660	Tree/Shrub Pruning	Pruning-Wildlife	ac	\$29.22
660	Tree/Shrub Pruning	Pruning-Multistory Cropping Understory	Ea	\$0.10
666	Forest Stand Improvement	Timber Stand Improvement - Chemical, Ground	ac	\$25.23
666	Forest Stand Improvement	Girdling	ac	\$27.96
666	Forest Stand Improvement	Crop/Mast Tree Release	ac	\$52.76
666	Forest Stand Improvement	Tree Marking	ac	\$8.87
666	Forest Stand Improvement	Creating Large Patch Clearcuts	ac	\$72.60
666	Forest Stand Improvement	Creating Small Patch Clearcuts	ac	\$62.52
666	Forest Stand Improvement	Competition Control - Mechanical, Light Equipment	ac	\$61.08
666	Forest Stand Improvement	Timber Stand Improvement - Single Stem Treatment	ac	\$29.96
666	Forest Stand Improvement	Pre-commercial Thinning - Hand tools	ac	\$73.43
666	Forest Stand Improvement	Pre-commercial Thinning Pole- Hand tools	ac	\$46.40
666	Forest Stand Improvement	Thinning for Wildlife and Forest Health	ac	\$73.43
B000BFF1	Buffer Bundle#1	Buffer Bundle#1	ac	\$1,036.34
B000BFF2	Buffer Bundle#2	Buffer Bundle#2	ac	\$1,036.34
B000CPL1	Crop Bundle#1 - Precision Ag, No till	Crop Bundle#1 - Precision Ag, No till	ac	\$43.62
B000CPL2	Crop Bundle#2 - Precision Ag, Reduced till	Crop Bundle#2 - Precision Ag, RT	ac	\$43.62
B000CPL3	Crop Bundle#3 - Soil health rotation, No till	Crop Bundle#3 - Soil health rotation, NT	ac	\$47.58
B000CPL4	Crop Bundle#4 - Soil health rotation, Reduced till	Crop Bundle#4 - SH rotation, RT	ac	\$47.58
B000CPL5	Crop Bundle#5 - Soil Health Assessment, No till	Crop Bundle#5 - SH Assessment, NT	ac	\$52.86
B000CPL6	Crop Bundle#6 - Soil Health Assessment, Reduced till	Crop Bundle#6 - SH Assessment, RT	ac	\$52.86
B000CPL7	Crop Bundle#7 - Soil Health -'Organic'	Crop Bundle#7 - Soil Health -"Organic"	ac	\$49.92
B000CPL8	Crop Bundle#8 - 'Organic', Water erosion	Crop Bundle#8 - "Organic", Water erosion	ac	\$37.49
B000CPL9	Crop Bundle#9 - 'Organic', Wind erosion	Crop Bundle#9 - "Organic", Wind erosion	ac	\$37.49
B000FST1	Forest Bundle#1	Forest Bundle#1	ac	\$93.20
B000MRB1	MRBI Bundle#1 - Irrigated Cropland	MRBI Bundle#1 - Irrigated Cropland	ac	\$69.87

Code	Practice	Component	Units	Unit Cost
B000MRB2	MRBI Bundle#2 - Non-Irrigated Crop#1	MRBI Bundle#2 - Non-Irrigated Crop#1	ac	\$10.82
B000MRB3	MRBI Bundle#3 - Non-Irrigated Crop#2	MRBI Bundle#3 - Non-Irrigated Crop#2	ac	\$15.01
B000MRB4	MRBI Bundle#4 - Crop w/ Water Bodies, NT	MRBI Bundle#4 - Crop w/ Water Bodies, NT	ac	\$34.05
B000MRB5	MRBI Bundle#5 - Crop w/ Water Bodies, RT	MRBI Bundle#5 - Crop w/ Water Bodies, RT	ac	\$31.04
B000MRB6	MRBI Bundle#6 - Pastureland	MRBI Bundle#6 - Pastureland	ac	\$52.14
B000PST1	Pasture Bundle#1 - Organic	Pasture Bundle#1 - Organic	ac	\$101.41
B000PST2	Pasture Bundle#2	Pasture Bundle#2	ac	\$19.48
B000PST3	Pasture Bundle#3 -- Soil Health	Pasture Bundle#3 -- Soil Health	ac	\$35.84
B000PST4	Pasture Bundle#4 - Monarch butterfly	Pasture Bundle#4 - Monarch butterfly	ac	\$53.49
E314134Z	Brush management that maintains or enhances wildlife or fish habitat	Brush mgmt, enhance habitat	ac	\$18.38
E315132Z	Herbaceous weed control for desired plant communities/habitats consistent with the ecological site	Herbaceous weed control-habitats	ac	\$13.46
E315133Z	Herbaceous weed control (inadequate structure and comp) for desired plant communities/habitats	Herbaceous weed control-communities	ac	\$13.46
E315134Z	Herbaceous weed control (plant pest pressures) for desired plant communities/habitats	Herbaceous weed control-pest pressures	ac	\$13.46
E327136Z1	Conservation cover to provide food habitat for pollinators and beneficial insects	Conservation cover-pollinator food	ac	\$325.09
E327136Z2	Establish Monarch butterfly habitat	Establish monarch butterfly habitat	ac	\$2,380.44
E327137Z	Conservation cover to provide cover and shelter habitat for pollinators and beneficial insects	Conservation cover-pollinator shelter	ac	\$325.09
E327139Z	Conservation cover to provide habitat continuity for pollinators and beneficial insects	Conservation cover-habitat continuity	ac	\$325.09
E328101I	Improved resource conserving crop rotation to reduce water erosion	IRCCR water erosion	ac	\$5.10
E328101R	Resource conserving crop rotation to reduce water erosion	RCCR water erosion	ac	\$14.29
E328102I	Improved resource conserving crop rotation to reduce wind erosion	IRCCR wind erosion	ac	\$5.10
E328102R	Resource conserving crop rotation to reduce wind erosion	RCCR wind erosion	ac	\$14.29
E328106I	Improved resource conserving crop rotation for soil organic matter improvement	IRCCR for SOM improvement	ac	\$5.10
E328106R	Resource conserving crop rotation for soil organic matter improvement	RCCR for SOM improvement	ac	\$14.29
E328106Z1	Soil health crop rotation	Soil health crop rotation	ac	\$5.10
E328106Z2	Modifications to improve soil health and increase soil organic matter	Mod to improve SH and SOM	ac	\$9.70
E328107I	Improved resource conserving crop rotation to improve soil compaction	IRCCR to improve soil compaction	ac	\$5.10

Code	Practice	Component	Units	Unit Cost
E328107R	Resource conserving crop rotation to improve soil compaction	RCCR to improve soil compaction	ac	\$14.29
E328134I	Improved resource conserving crop rotation to relieve plant pest pressure	IRCCR to relieve plant pest pressure	ac	\$5.10
E328134R	Resource conserving crop rotation to relieve plant pest pressure	RCCR to relieve plant pest pressure	ac	\$14.29
E329101Z	No till to reduce water erosion	No till to reduce water erosion	ac	\$3.06
E329102Z	No till system to reduce wind erosion	No till system to reduce wind erosion	ac	\$3.06
E329106Z	No till system to increase soil health and soil organic matter content	No till system to increase SH and SOM	ac	\$4.08
E329128Z	No till to reduce tillage induced particulate matter	No till to reduce PM	ac	\$3.06
E329144Z	No till to reduce energy	No till to reduce energy	ac	\$4.08
E340101Z	Cover crop to reduce water erosion	Cover crop to reduce water erosion	ac	\$7.95
E340102Z	Cover crop to reduce wind erosion	Cover crop to reduce wind erosion	ac	\$7.95
E340106Z1	Intensive cover cropping to increase soil health and soil organic matter content	Cover cropping for SH and SOM	ac	\$12.48
E340106Z2	Use of multi-species cover crops to improve soil health and increase soil organic matter	Multi-species cover crops	ac	\$12.32
E340106Z3	Intensive cover cropping (orchard/vineyard floor) to increase soil health and SOM content	Cover cropping for orchards/vineyards	ac	\$11.17
E340106Z4	Use of SHA to assist with development of cover crop mix to improve soil health and increase SOM	Soil health assessment	ac	\$14.72
E340107Z	Cover crop to minimize soil compaction	Cover crop to minimize soil compaction	ac	\$10.81
E340118Z	Cover crop to reduce water quality degradation by utilizing excess soil nutrients-surface water	Cover crop for WQ nutrients-runoff	ac	\$10.81
E340119Z	Cover crop to reduce water quality degradation by utilizing excess soil nutrients-ground water	Cover crops for WQ nutrients-drainage	ac	\$10.81
E340134Z	Cover crop to suppress excessive weed pressures and break pest cycles	Cover crops for suppression	ac	\$11.17
E345101Z	Reduced tillage to reduce water erosion	Reduced tillage to reduce water erosion	ac	\$4.08
E345102Z	Reduced tillage to reduce wind erosion	Reduced tillage to reduce wind erosion	ac	\$3.06
E345106Z	Reduced tillage to increase soil health and soil organic matter content	Reduced tillage for SH and SOM	ac	\$4.08
E345114Z	Reduced tillage to increase plant-available moisture: irrigation water	Reduced tillage for IWM	ac	\$3.06
E345115Z	Reduced tillage to increase plant-available moisture: moisture management	Reduced tillage for moisture mgmt	ac	\$3.06
E345128Z	Reduced tillage to reduce tillage induced particulate matter	Reduced tillage to reduce PM	ac	\$3.06
E345144Z	Reduced tillage to reduce energy use	Reduced tillage to reduce energy use	ac	\$3.06
E374144Z1	Install variable frequency drive(s) on pump(s)	Variable frequency drives	BHP	\$247.72
E374144Z2	Switch fuel source for pump motor(s)	Switch fuel source for pump motor(s)	HP	\$7,922.17

Code	Practice	Component	Units	Unit Cost
E386101Z	Enhanced field borders to reduce water induced erosion along the edge(s) of a field	Field borders to reduce water erosion	ac	\$721.80
E386102Z	Enhanced field borders to reduce wind induced erosion along the windward side(s) of a field	Field borders to reduce wind erosion	ac	\$721.80
E386106Z	Enhanced field borders to increase carbon storage along the edge(s) of the field	Field borders to increase carbon storage	ac	\$721.80
E386128Z	Enhanced field borders to decrease particulate emissions along the edge(s) of the field	Field borders to decrease particulates	ac	\$721.80
E390118Z	Increase riparian herbaceous cover width for nutrient reduction	Riparian herbaceous cover-nut reduction	ac	\$574.39
E390126Z	Increase riparian herbaceous cover width to reduce sediment loading	Riparian herbaceous cover-sed loading	ac	\$574.39
E390136Z	Increase riparian herbaceous cover width to enhance wildlife habitat	Riparian herbaceous cover-habitat	ac	\$769.31
E391118Z	Increase riparian forest buffer width for nutrient reduction	Riparian forest buffer-nut reduction	ac	\$1,861.83
E391126Z	Increase riparian forest buffer width to reduce sediment loading	Riparian forest buffer-sed loading	ac	\$1,885.86
E391127Z	Increase stream shading for stream temperature reduction	Shade stream to reduce temp	ac	\$1,885.86
E391136Z	Increase riparian forest buffer width to enhance wildlife habitat	Riparian forest buffer-habitat	ac	\$1,885.86
E393118Z	Extend existing filter strip to reduce excess nutrients in surface water	Extend filter strips- nut runoff	ac	\$925.94
E393122Z	Extend existing filter strip to reduce excess pathogens and chemicals in surface water	Extend filter strips-pathogen runoff	ac	\$925.94
E393126Z	Extend existing filter strip to reduce excess sediment in surface water	Extend filter strips-sediment	ac	\$925.94
E449114Z5	Complete pumping plant evaluation for all existing pumps on a farm.	Pumping Plant Evaluation	ac	\$5.67
E449114Z7	Advanced Automated IWM - Year 2-5, Soil moisture is monitored, recorded and used in decision making	Advanced Automated IWM - Year 2-5, soil moisture monitoring	ac	\$21.33
E449114Z8	Advanced Automated IWM - Year 1 - Equipment and soil moisture is monitored, recorded and used in dec	Advanced Automated IWM - Year 1 Equipment and soil moisture monitoring	ac	\$58.29
E511137Z1	Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape	Harvest using wildlife friendly methods	ac	\$3.87
E511137Z2	Forage harvest management that helps maintain or improve wildlife habitat (cover and shelter)	FHM for cover and shelter	ac	\$4.74
E511139Z2	Forage harvest management that helps maintain wildlife habitat continuity (space)	FHM for habitat space continuity	ac	\$3.87
E512101Z2	Forage and biomass planting for water erosion to improve soil health	Forage planting for SH	ac	\$14.69
E512106Z2	Forage plantings that can help increase organic matter in depleted soils	Forage planting for SOM	ac	\$14.82
E512132Z1	Forage and biomass planting that produces feedstock for biofuels or energy production	Forage planting for feedstocks	ac	\$36.26

Code	Practice	Component	Units	Unit Cost
E512132Z2	Native grasses or legumes in forage base to improve plant productivity and health	Native grasses/legumes-plant health	ac	\$21.56
E512133Z1	Native grasses or legumes in forage base to improve plant community structure and composition	Native grasses/legumes-structure/comp	ac	\$55.35
E512133Z2	Forage plantings that enhance bird habitat (structure and composition)	Forage planting for structure/comp	ac	\$74.47
E512136Z1	Establish pollinator and/or beneficial insect food habitat	Establish pollinator habitat-food	ac	\$57.65
E512136Z2	Native grass or legumes in forage base to provide wildlife food	Native grasses/legumes-wildlife food	ac	\$57.65
E512137Z	Forage plantings that enhance bird habitat (cover and shelter)	Forage planting for cover and shelter	ac	\$74.47
E512138Z	Establish wildlife corridors to enhance access to water	Corridors for water access	ac	\$26.56
E512139Z1	Establish wildlife corridors to provide habitat continuity	Corridors for habitat continuity	ac	\$25.23
E512139Z2	Establish pollinator and/or beneficial insect habitat continuity (space)	Establish pollinator habitat-space	ac	\$58.67
E512140Z	Native grasses or legumes in forage base	Native grasses or legumes in forage base	ac	\$54.31
E528102Z	Improved grazing management for wind erosion through monitoring activities	Grazing mgmt for wind erosion	ac	\$1.97
E528104Z	Grazing management that protects sensitive areas from gully erosion	Grazing mgmt-sensitive areas-erosion	ac	\$1.66
E528105Z	Prescribed grazing that improves or maintains riparian and watershed function-erosion	Prescribed grazing-erosion	ac	\$9.49
E528118Z1	Prescribed grazing that maintains/improves riparian/watershed function impairment from nutrients	Prescribed grazing-nut runoff	ac	\$15.30
E528119Z	Grazing management that protects sensitive areas-ground water from nutrients	Grazing mgmt-sensitive area-nut sub water	ac	\$1.81
E528122Z	Prescribed grazing that maintains/improves riparian/watershed function-pathogens/chemicals	Prescribed grazing-pathogens	ac	\$15.30
E528126Z	Prescribed grazing that maintains/improves riparian/watershed function-min sediment in surface water	Prescribed grazing-sediment	ac	\$13.61
E528132Z1	Improved grazing mgmt for plant productivity/health through monitoring	Grazing mgmt-plant health	ac	\$9.26
E528132Z2	Stockpiling cool season forage to improve plant productivity and health	Stockpile cool season forage-plant prod	ac	\$23.65
E528133Z1	Stockpiling cool season forage to improve structure and composition.	Stockpile cool season forage-structure	ac	\$23.65
E528133Z2	Grazing management for improving quantity/quality of plant structure/composition for wildlife	Grazing mgmt-structure for wildlife	ac	\$3.04
E528136Z1	Grazing management for improving quantity and quality of food for wildlife	Grazing mgmt-food	ac	\$0.57
E528137Z1	Grazing management for improving quantity and quality of cover and shelter for wildlife	Grazing mgmt-shelter	ac	\$0.57
E528137Z2	Incorporating wildlife refuge areas in contingency plans for prescribed grazing- Add wildlife refuge area-shelter cover/shelter		ac	\$16.15

Code	Practice	Component	Units	Unit Cost
E528138Z	Incorporating wildlife refuge areas in contingency plans for prescribed grazing- water access	Add wildlife refuge area-water	ac	\$16.15
E528140Z1	Maintaining quantity and quality of forage for animal health and productivity	Maintain forage quantity and quality	ac	\$3.73
E590118X	Reduce risks of nutrient losses to surface water by utilizing precision ag technologies	Precision ag for nut reduction	ac	\$16.68
E590118Z	Improving nutrient uptake efficiency and reducing risk of nutrient losses to surface water	Nut mgmt for surface water	ac	\$10.87
E590119X	Reduce risks of nutrient losses to ground water by utilizing precision agriculture technologies to p	Prec Ag reduce nut in groundwater	ac	\$16.68
E590119Z	Improving nutrient uptake efficiency and reducing risk of nutrient losses to groundwater	Nut mgmt for groundwater	ac	\$10.87
E590130Z	Improving nutrient uptake efficiency and reducing risks to air quality - emissions of GHGs	Nut mgmt for GHGs	ac	\$10.87
E595116Z2	Reducing routine neonicotinoid seed treatments on corn and soybean crops.	Reducing routine seed treatments	ac	\$5.10
E612126Z	Cropland conversion to trees or shrubs for long term improvement of water quality	Convert crop to trees-WQ	ac	\$752.96
E612130Z	Planting for high carbon sequestration rate	Planting for high carbon sequestration	ac	\$1,063.91
E612132Z	Establishing tree/shrub species to restore native plant communities	Tree/shrubs-restore native communities	ac	\$636.87
E612133X1	Adding food-producing trees and shrubs to existing plantings	Adding food-producing trees and shrubs	ac	\$174.57
E612133X2	Cultural plantings	Cultural plantings	ac	\$1,531.87
E612136Z	Tree/shrub planting for wildlife food	Tree/shrub planting for wildlife food	ac	\$1,362.81
E643139X	Creating native plant refugia	Creating native plant refugia	ft	\$7.87
E644136Z	Managing Flood-Irrigated Landscapes for Wildlife	Manage flood irrigated landscape for wildlife food	ac	\$24.85
E645137Z	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	Reduce human-subsidized predators	ac	\$87.08
E646136Z1	Close structures to capture/retain rainfall to improve food for waterfowl/wading birds during winter	Close structures to improve food	ac	\$27.54
E646136Z2	Extend retention of rainfall to provide food for late winter habitat	Extend retention - food	ac	\$32.41
E646136Z3	Shorebird habitat, late season shallow water with manipulation to improve food sources	Late season shallow water - food	ac	\$54.00
E646136Z4	Shorebird habitat, extended late season shallow water with manipulation to improve food sources	Extended late season shallow water-food	ac	\$59.94
E666106Z2	Maintaining and improving forest soil quality	Maintain/improve forest SQ	ac	\$41.56
E666107Z	Maintaining and improving forest soil quality by limiting compaction	Maintain/imrove forest compaction	ac	\$41.56

Code	Practice	Component	Units	Unit Cost
E666115Z2	Enhance development of the forest understory to improve site moisture	Forest understory to improve moisture	ac	\$247.17
E666118Z	Enhance development of the forest understory to capture nutrients in surface water	Understory-nutrients in surface water	ac	\$247.17
E666119Z	Enhance development of the forest understory to capture nutrients -ground water	Understory-nutrients in ground water	ac	\$247.17
E666130Z	Increase on-site carbon storage	Increase on-site carbon storage	ac	\$13.27
E666132Z1	Crop tree management for mast production	Crop tree management for mast production	ac	\$360.94
E666132Z2	Reduce forest stand density to improve a degraded plant community	Forest density-degraded plant community	ac	\$283.26
E666133X	Forest Stand Improvement to rehabilitate degraded hardwood stands	FSI-structure/composition in hardwoods	ac	\$516.56
E666133Z1	Creating structural diversity with patch openings	Structural diversity with patch openings	ac	\$512.37
E666134Z	Enhance development of the forest understory to create conditions resistant to pests	Forest understory-resistant to pests	ac	\$247.17
E666135Z2	Reduce forest density and manage understory along roads to limit wildfire risk	Manage understory-limit wildfire risk	ac	\$286.68
E666136Z1	Reduce forest density and manage understory along roads to improve wildlife food sources	Manage understory-wildlife food sources	ac	\$286.68
E666136Z2	Reduce forest stand density to improve wildlife food sources	Stand density-wildlife food sources	ac	\$283.26
E666136Z3	Create patch openings to enhance wildlife food sources and availability	Patch openings-food and availability	ac	\$321.44
E666137Z1	Snags, den trees, and coarse woody debris for wildlife habitat	Snags and den trees for wildlife	ac	\$53.06
E666137Z2	Summer roosting habitat for native forest-dwelling bat species	Summer roosting habitat for bats	ac	\$205.07
E666137Z6	Create patch openings to enhance wildlife cover and shelter	Patch openings-cover and shelter	ac	\$321.44
E666137Z7	Enhance development of the forest understory to provide wildlife cover and shelter	Understory to provide cover/shelter	ac	\$247.17